

**DECLARATION  
AND POWER OF ATTORNEY  
Original Application**

As a below named inventor, I declare that the information given herein is true, that I believe that I am the original, first and sole inventor if only one name is listed at 1 below, or a joint inventor if plural inventors are named below, of the invention entitled:

UNIVERSAL T-CELL EPITOPES FOR ANTI-MALARIAL VACCINES

which is described and claimed in:

☐ the attached specification or                      ☒ the specification in application  
Serial No. 09/060,450, filed 01/21/98  
(for declaration not accompanying appl.)

that I do not know and do not believe that the same was ever known or used in the United States of America before my or our invention thereof or patented or described in any printed publication in any country before my or our invention thereof, or more than one year prior to this application, or in public use or on sale in the United States of America more than one year prior to this application, that the invention has not been patented or made the subject of an inventor's certificate issued before the date of this application in any country foreign to the United States of America on an application filed by me or my legal representatives or assigns more than twelve months prior to this application, that I acknowledge my duty to disclose information of which I am aware which is material to patentability in accordance with 37 CFR §1.56. I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above. I hereby claim the priority benefits under 35 U.S.C. 119 of any application(s) for patent or inventor's certificate listed below. All foreign applications for patent or inventor's certificate on this invention filed by me or my legal representatives or assigns prior to the application(s) of which priority is claimed are also identified below.

**PRIOR APPLICATION(S), IF ANY, OF WHICH PRIORITY IS CLAIMED**

<u>COUNTRY</u>	<u>APPLICATION NO.</u>	<u>DATE OF FILING</u>
U.S.A.	60/033,916	01/21/97

**ALL FOREIGN APPLICATIONS, IF ANY, FILED PRIOR  
TO THE APPLICATION(S) OF WHICH PRIORITY IS CLAIMED**

COUNTRY                      APPLICATION NO.      DATE OF FILING

**POWER OF ATTORNEY:**

As a named inventor, I hereby appoint the following attorney(s) and/or agents(s) to prosecute this application and transact all business in the Patent and Trademark office connected therewith: Gordon D. Coplein #19,165, William F. Dudine, Jr. #20,569, Michael J. Sweedler #19,937, S. Peter Ludwig #25,351, Paul Fields #20,298, Harold E. Wurst #22,183, Joseph B. Lerch #26,936, Melvin C. Garner #26,272, Ethan Horwitz #27,646, Beverly B. Goodwin #28,417, Adda C. Gogoris #29,714, Martin E. Goldstein #20,869, Bert J. Lewen #19,407, Henry Sternberg #22,408, Robert A. Green #28,301, Peter C. Schechter #31,662, Robert Schaffer #31,194, David R. Francescani #25,159, Robert C. Sullivan, Jr. #30,499, Ira J. Levy #35,587, Joseph R. Robinson #33,448, Anne E. Zitron #41,391

all of the firm of DARBY & DARBY P.C., 805 Third Avenue, New York, NY 10022

SEND CORRESPONDENCE TO:

DIRECT TELEPHONE CALLS TO:

DARBY & DARBY P.C.  
805 Third Avenue  
New York, NY 10022

Anne E. Zitron, Ph.D.  
  
212-527-7700

**FULL NAME AND RESIDENCE OF INVENTOR 1**

LAST NAME: NARDIN      FIRST NAME: Elizabeth      MIDDLE NAME:  
CITY: Leonia      STATE OR FOREIGN COUNTRY: New Jersey      COUNTRY OF CITIZENSHIP: U.S.A.  
POST OFFICE ADDRESS: 152 Ames Avenue      CITY: Leonia      STATE OR COUNTRY: New Jersey      ZIP CODE: 07605

**FULL NAME AND RESIDENCE OF INVENTOR 2**

LAST NAME: MORENA      FIRST NAME: Alberto      MIDDLE NAME:  
CITY: Santafé de Bogotá      STATE OR FOREIGN COUNTRY: Colombia      COUNTRY OF CITIZENSHIP: Colombia  
POST OFFICE ADDRESS: Calle 100 #35-67, Apt. 317, BL7      CITY: Santafé de Bogotá, D.C.      STATE OR COUNTRY: Colombia  
ZIP CODE: BL7

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United

States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

SIGNATURE OF INVENTOR 1: Elizabeth Grace DATED: 8/6/98

SIGNATURE OF INVENTOR 2: \_\_\_\_\_ DATED: \_\_\_\_\_

(D&DForms/PTO-21)

REV. 12/87

FILE NO.: 5986/1B615-US1

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Anne E. Zitron, Ph.D.  
212-527-7700

**FULL NAME AND RESIDENCE OF INVENTOR 1**

LAST NAME: NARDIN      FIRST NAME: Elizabeth      MIDDLE NAME:  
CITY: Leonia      STATE OR FOREIGN COUNTRY: New Jersey      COUNTRY OF CITIZENSHIP: U.S.A.  
POST OFFICE ADDRESS: 152 Ames Avenue      CITY: Leonia      STATE OR COUNTRY: New Jersey      ZIP CODE: 07605

**FULL NAME AND RESIDENCE OF INVENTOR 2**

AM 7/31 LAST NAME: MORENO      FIRST NAME: Alberto      MIDDLE NAME:  
CITY: Santafé de Bogotá      STATE OR FOREIGN COUNTRY: Colombia      COUNTRY OF CITIZENSHIP: Colombia  
POST OFFICE ADDRESS: Calle 100 #35-67, Apt. 317, BL7      CITY: Santafé de Bogotá, D.C.      STATE OR COUNTRY: Colombia

AM 7/31 ZIP CODE: BL7

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States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

SIGNATURE OF INVENTOR 1: \_\_\_\_\_ DATED: \_\_\_\_\_

SIGNATURE OF INVENTOR 2:  \_\_\_\_\_ DATED: 7/31/98

(D&DForms/PTO-21)

REV. 12/87



UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office

ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

1B615us1



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DECEMBER 16, 1998

PTAS

DARBY & DARBY P.C.  
ANN ZITRON, PH.D.  
805 THIRD AVENUE, 27TH FLOOR  
NEW YORK, NY 10022-7513

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 08/28/1998

REEL/FRAME: 9420/0708  
NUMBER OF PAGES: 5

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:  
NARDIN, ELIZABETH

DOC DATE: 07/31/1998

ASSIGNOR:  
MORENO, ALBERTO

DOC DATE: 08/06/1998

ASSIGNEE:  
NEW YORK UNIVERSITY  
4 WASHINGTON SQUARE  
NEW YORK, NEW YORK 10003

SERIAL NUMBER: 09060450  
PATENT NUMBER:

FILING DATE: 01/21/1998  
ISSUE DATE:

TARA WASHINGTON, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

M:\5988\1B615\KRJ2498



## **ASSIGNMENT**

**Elizabeth NARDIN**, a citizen of the United States of America; residing at 152 Ames Avenue, Leonia, New Jersey, 07605;

**Alberto MORENO**, a citizen of Colombia; residing at Calle 100 #35-67, Apt. 317, BL7, Santafé de Bogotá, D.C. Colombia;

(hereinafter called "ASSIGNORS") in consideration of the sum of One Dollar (\$1.00) or the equivalent thereof, and other good and valuable consideration paid to them by

### **NEW YORK UNIVERSITY**

a corporation organized under the laws of New York, located at 4 Washington Square, New York, New York 10003, (hereinafter called the "ASSIGNEE"), do hereby sell and assign to the said ASSIGNEE, its successors and assigns, all their right, title and interest,

☐ in and for the United States of America,

☒ throughout the world,

in and to their invention entitled:

### **UNIVERSAL T-CELL EPITOPES FOR ANTI-MALARIAL VACCINES**

invented by them and described in

☐ the application executed on

☒ Application Serial No. 09/060,450, filed 01/21/98

for United States Letters Patent therefor, and all divisions, reissues, continuations and extensions thereof, the said interest being

☒ the entire ownership interest

☐ an undivided partial ownership interest

in the said Letters Patent when granted, to be held and enjoyed by said ASSIGNEE, its successors, assigns or other legal representatives, to the full end of the term for which said Letters patent may be granted, as fully and entirely as the same would have been held and enjoyed by said ASSIGNORS if this assignment and sale had not been made;

And ASSIGNORS hereby agree to sign and execute any further documents or instruments which may be necessary, lawful, and proper in the prosecution of said above-named application or in the preparation and prosecution of any continuing, continuation-in-part, substitute, divisional, renewal or reissue applications, or in any amendment, extension, or interference proceedings, or otherwise to secure the title thereto in said ASSIGNEE;

And the said ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to said ASSIGNEE.

I declare under penalty of perjury under the laws of the United States of America that I have signed this document as my own free act and that all of the foregoing is true and correct.

Dated: 8/6/98

Elizabeth Nardin  
Elizabeth NARDIN, Co-Inventor

Dated: \_\_\_\_\_

\_\_\_\_\_  
Alberto MORENO, Co-Inventor

5986/18615-US1

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Dated: \_\_\_\_\_

\_\_\_\_\_  
Elizabeth NARDIN, Co-Inventor

Dated: 7/31/98

\_\_\_\_\_  


\_\_\_\_\_  
Alberto MORENO, Co-Inventor